

<p>98-052915/06      A41 E17 J04      CHPE- 95.06.14  CHINA PETRO CHEM CORP      *CN 1137944-A  95.06.14 95CN-106349 (96.12.18) B01J 23/72, 23/26, 23/34  Catalyst for preparation of specified butane-diol by gas-phase  hydrogenation  C98-018265  Addnl. Data: ZHANG X, TONG W, WANG H</p>	<p>A(1-E14) E(10-E4B, 35) J(4-E4B) N(1-B, 1-C, 2-D, 3)</p>
<p>The catalyst for preparing 1,4-butanediol by gas-phase hydrogenation  of maleic anhydride and/or its ester has the formula  <math>\text{CuCr}_a\text{Mn}_b\text{Ba}_c\text{M}_d\text{O}_x</math>: where M is Al or Ti, <math>a = 0.1-2</math>, <math>b = 0.05-1</math>, <math>c =</math>  <math>0.05-1.5</math>, <math>d = 0.05-1.5</math>, and <math>x</math> is the number of oxygen atoms needed  for satisfying the atom valences of metals. When the volume space  speed of the gas is up to 90/hr., the conversion rate of anhydride  and/or ester is up to 100% and selectivity of 1,4- butanediol is up to  80 mol% or more. (10pp)</p>	<p>CN 1137944-A</p>